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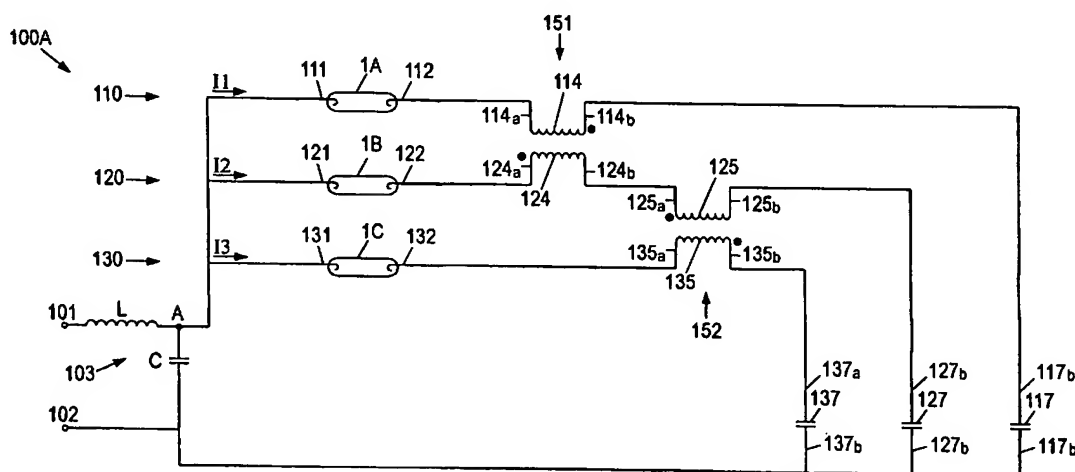
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(54) Title: **SYSTEM FOR OPERATING A PLURALITY OF NEGATIVE DYNAMICAL IMPEDANCE LOADS**



(57) Abstract: A system (100A, 100B, 200, 300) for operating three gas discharge lamps (1A, 1B, 1C) using a common power source comprises three branches (110, 120, 130) connected in parallel between a first input node (A) and a second input node (102), wherein each branch comprises a lamp. The system comprises current equalizing means for ensuring that the currents in all branches are mutually substantially equal. The current equalizing means comprise two equalizing transformers (151, 152), wherein an equalizing transformer (151; 152) has one winding (114; 125) connected in series with one lamp (1A; 1B) and has another winding (124; 135) connected in series with another lamp (1B; 1C).

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